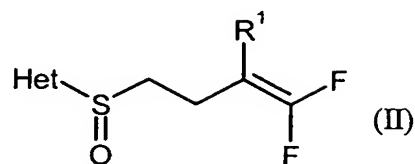
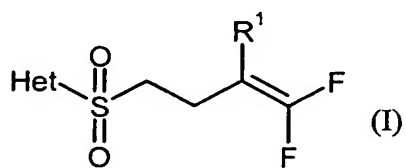


What is claimed is:

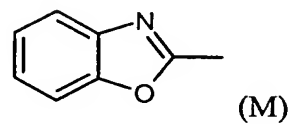
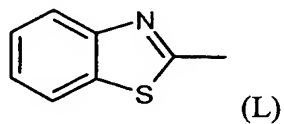
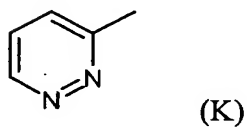
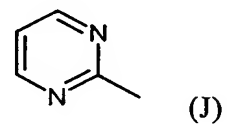
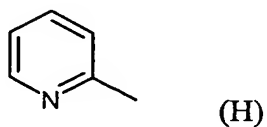
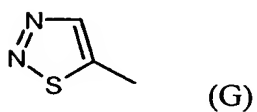
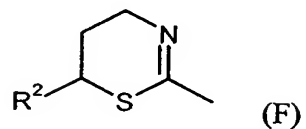
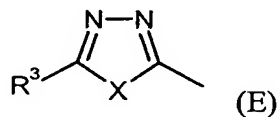
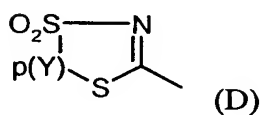
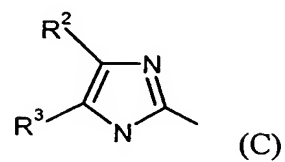
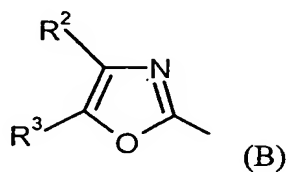
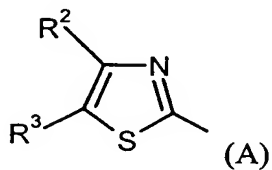
1. A process for preparing compounds of the formulae (I) and (II)

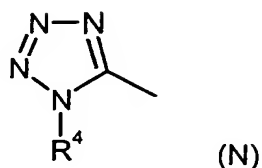


where

R^1 is hydrogen or fluorine, and

10 Het is a heterocycle from the following group of heterocycles



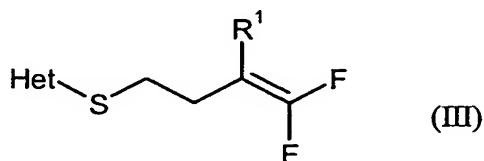


where

- 5 R^2 is hydrogen, halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl,
- R^3 is hydrogen, halogen, and also optionally halogen-, methyl-, ethyl-, n-
 or i-propyl- or n-, i-, s- or t-butyl-, methoxy-, ethoxy-, n- or i-propoxy-
 or n-, i-, s- or t-butoxy-substituted C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -
 10 alkylthio, C_1 - C_4 -alkylsulfinyl, C_1 - C_4 -alkylsulfonyl, C_1 - C_4 -
 alkoxycarbonyl, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_1 - C_4 -alkylthio- C_1 - C_4 -
 alkyl, carboxyl, C_1 - C_4 -alkylaminocarbonyl, C_3 - C_6 -
 cycloalkylaminocarbonyl, C_1 - C_4 -dialkylaminocarbonyl, C_2 - C_4 -alkenyl,
 C_2 - C_4 -alkenylthio, C_2 - C_4 -alkenylsulfinyl or C_2 - C_4 -alkenylsulfonyl,
- 15 R^4 is C_1 - C_8 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_4 -haloalkyl, C_1 - C_4 -alkoxy- C_1 - C_4 -
 alkyl, C_1 - C_4 -alkylthio- C_1 - C_4 -alkyl, C_3 - C_8 -cycloalkyl or optionally
 halogen-, C_1 - C_4 -alkyl-, C_1 - C_4 -alkoxy-, C_1 - C_4 -alkylthio- or C_1 - C_4 -
 haloalkyl-substituted phenyl or benzyl,
- 20 p is 1, 2 or 3,
- X is oxygen or sulfur, and
- 25 Y is optionally singly or doubly, identically or differently substituted
 methylene, and examples of substituents include: in each case
 optionally halogen-, C_1 - C_4 -alkoxy-, C_1 - C_4 -alkylthio-,
 C_1 - C_4 -haloalkoxy- or C_1 - C_4 -haloalkylthio-substituted C_1 - C_4 -alkyl,

C₂-C₄-alkenyl or C₂-C₄-alkynyl, and also optionally singly to triply, identically or differently substituted phenyl, and examples of substituents include: halogen, cyano, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy or C₁-C₄-haloalkylthio,

by allowing a compound of the formula (III)



where

R¹ and Het are each as defined above

to react with a salt of peroxomonosulfuric acid, H₂SO₅,

optionally in the presence of a reaction assistant and optionally in the presence of a diluent.

2. The process for preparing compounds of the formula (I) as per claim 1, characterized in that compounds of the formula (II) as per claim 1 are allowed to react with a salt of peroxomonosulfuric acid, H₂SO₅, optionally in the presence of a reaction assistant and optionally in the presence of a diluent.
3. The process as per claim 2, characterized in that the process is carried out at a pH of from 6 to 10.
4. The process for preparing compounds of the formula (II) as per claim 1, characterized in that compounds of the formula (III) as per claim 1 are

allowed to react with a salt of peroxomonosulfuric acid, H_2SO_5 , optionally in the presence of a reaction assistant and optionally in the presence of a diluent.

5. The process as per claim 4, characterized in that the process is carried out at a pH of from 1 to 3.

6. The process as per one of claims 1 to 5, characterized in that the salt of peroxomonosulfuric acid is potassium hydrogenperoxomonosulfate ($2 \text{KHSO}_5 \cdot \text{KHSO}_4 \cdot \text{K}_2\text{SO}_4$ (5:3:2:2)), preferably Oxone® or Caroat®.

10

7. The process as per one of claims 1 to 6, characterized in that the reaction is carried out at a temperature of from -20°C to 150°C .

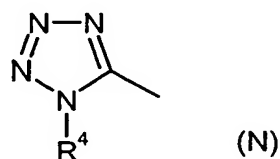
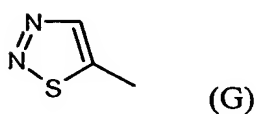
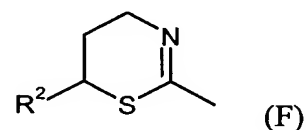
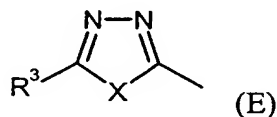
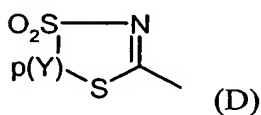
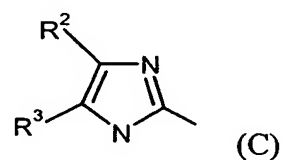
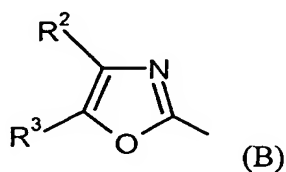
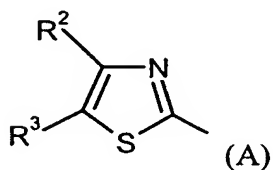
8. The process as per one of claims 1 to 7, characterized in that

15

R^1 is fluorine,

Het is a heterocycle from the following group of heterocycles

20



R^2 is hydrogen, fluorine or chlorine,

5 R^3 is hydrogen, fluorine, chlorine, and also optionally fluorine-, chlorine-, methyl-, ethyl-, n- or i-propyl- or n-, i-, s- or t-butyl-, methoxy-, ethoxy-, n- or i-propoxy- or n-, i-, s- or t-butoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylthio, ethylthio, n- or i-propylthio, n-, i-, s- or t-butylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, 10 ethylsulfonyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, n-, i-, s- or t-butoxycarbonyl, methoxymethyl, methoxyethyl, ethoxymethyl, ethoxyethyl, methylthiomethyl, methylthioethyl, ethylthiomethyl, ethylthioethyl, carboxyl, methylaminocarbonyl, ethylaminocarbonyl, n- or i-propylaminocarbonyl, cyclopropylaminocarbonyl, cyclobutylamino- 15 carbonyl, cyclopentylaminocarbonyl, cyclohexylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, ethenyl, propenyl or butenyl,

20 R^4 is preferably methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, tert-butyl, n-pentyl, cyclopropyl, cyclopentyl, cyclohexyl, 2-chloroethyl, 2,2,3,3,3-pentafluoropropyl, 2,2,2-trifluoroethyl, 3-bromopropyl, 2-methoxyethyl, 2-ethoxyethyl, 2-methylthioethyl, allyl, 2-butenyl or in each case optionally singly or doubly, identically or differently 25 fluorine-, chlorine-, bromine-, methyl-, ethyl-, isopropyl-, trifluoromethyl-, methoxy- or methylthio-substituted phenyl or benzyl,

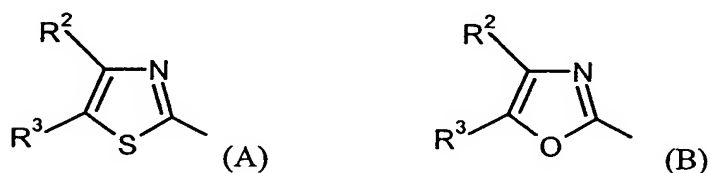
p is 1 or 2,

30 X is oxygen, and

Y is optionally singly or doubly, identically or differently substituted methylene, and examples of substituents include: methyl, ethyl, or optionally singly or doubly, identically or differently substituted phenyl, and examples of substituents include: fluorine, chlorine, methyl, methoxy, trifluoromethyl, cyano or nitro.

9. The process as per one of claims 1 to 8, characterized in that

Het is a heterocycle from the following group of heterocycles

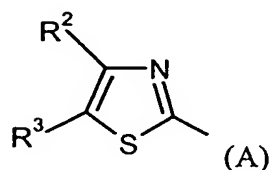


R² is hydrogen, and

R³ is hydrogen, fluorine or chlorine.

10. The process as per one of claims 1 to 9, characterized in that

Het is the following heterocycle



R² is hydrogen, and

R³ is chlorine.